

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

AttorneyaDocket Number	20430P
First Named Inventor	Petrukhin, et al.
CO	MPLETE IF KNOWN
Application Number	09/937,499
Filing Date	September 26, 2001
Group Art Unit	
Examiner Name	

As a below named invento	r, I hereby declare	that:								
My residence, post office address, and citizenship are as stated below next to my name.										
•		•		an original, first and joint invocatent is sought on the invention	-	l:				
NOVEL HUMAN VOLTAG	E-GATED POTASS	IUM CHA	NNEL							
			Title of the Invention)							
the specification of which		,	,							
is attached hereto										
OR was filed on (MM/DD/	YYYY) 09/26/200	01	as United States Applica	ation Number or PCT Internati	onal					
Application Number	ar	id was ame	ended on (MM/DD/YYYY)	(if a	pplicable)					
I hereby state that I have revamended by any amendmen				specification, including the cl	aims, as					
anchiced by any amenanch	t specifically referre	u 10 a00vc	•							
I acknowledge the duty to d as defined in 37 CFR 1.56.	isclose to the Patent	and Trade	mark Office all information	known to me to be material to	patentab	ility				
certificate, or 365(a) of any America, listed below and h	PCT international aparts also identified b	oplication elow, by o	which designated at least or hecking the box, any foreign	reign application(s) for patent e country other than the Unite n application for patent or invented the application on which priori	d States of the contor's	f				
Prior Foreign Application Number(s)	Country		Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority YES	Claimed?				
PCT/US00/09587	PCT		04/10/2000	20430-PCT	X					
					十一	一一				
Additional foreign applica	tion numbers are listed	l on a sunni	 emental priority data sheet PTO	SB/02B attached hereto:						
I hereby claim the benefit under										
Application Num	, ,)	Filing Date (MM/DD/YYYY)		Number					
60/129,274	04/14/19		Attorney Docket Number 20430PV							
-										



Given Name (first and middle [if any]) Family Name or Surname					_							
C. THOMAS	Name of Addition	nal Joint Inventor, if any:				A petit	ion has be	en filed f	or this unsigned	d inventor		
Inventor's Signature Residence: City	Give	any])	ny]) Family Name or Surname									
Signature Residence: Lansdale State PA Country US Citizenship US	C. THOMAS			CASKEY								
City Lansadae State PA Country US Chizenship US City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname WEN LI LI Inventor's Signature Residence: North Wales PA Country US Citizenship US City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) A petition has been filed for this unsigned inventor. Given Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname MICHAEL L. METZKER Date City Residence: Fort Washington State PA Country US Citizenship US City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, P.O. Box 2000 City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, P.O. Box 2000 City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Inventor's Date City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname				Date								
Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) North Wales Post Office Address City Rahway State NJ ZIP 07065-0907 A petition has been filed for this unsigned inventor. City Date A petition has been filed for this unsigned inventor. City Date A petition has been filed for this unsigned inventor. City Post Office Address City Rahway State NJ ZIP 07065-0907 A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Family Name or Surname MICHAEL L. Inventor's Signature Residence: City Residence: City Rost Name of Additional Joint Inventor, if any: Residence: City Rost Name Of Additional Joint Inventor, if any: Residence: City Rost Name Of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. Residence: City Rost Name Of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. A petition has been filed for this unsigned inventor. A petition has been filed for this unsigned inventor. Given Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Family Name or Surname Inventor's		Lansdale	State	PA	Country US				Citizenship	US		
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) WEN WEN LI Us Date A petition has been filed for this unsigned inventory Signature Residence: City North Wales City Rahway State NJ ZIP O7065-0907 A petition has been filed for this unsigned inventory Given Name (first and middle [if any]) Family Name or Surname MCHAEL L. METZKER Inventor's Signature Residence: City Fort Washington State Residence: City Post Office Address City Rahway State NJ ZIP O7065-0907 Citizenship US Citizenship US Citizenship City Post Office Address City Rahway State NJ ZIP O7065-0907 Name of Additional Joint Inventor, if any: Date Residence: City Rahway State NJ ZIP O7065-0907 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventory State NJ ZIP O7065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Inventor's Date		Merck & Co., Inc., P.O.	Box 200	00			,					
Given Name (first and middle [if any]) Same of Additional Joint Inventor's Signature Date Citizenship US	City			State	NJ		ZIP	07065-090	7			
WEN WEN Date	Name of Addition	nal Joint Inventor, if any:		A petition has been filed for this unsigned inventor								
Inventor's Signature Residence: City Post Office Address City Rahway State Name of Additional Joint Inventor, if any: Residence: City Rahway State NJ ZIP O7065-0907 A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Residence: City Rahway State NJ ZIP O7065-0907 A petition has been filed for this unsigned inventor. METZKER Date Residence: City Post Office Address City Rahway State PA Country US Citizenship US Citizenship US City Rahway State NJ ZIP O7065-0907 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Family Name or Surname Inventor's Inventor's Date	Give	en Name (first and middle [if	any])				F	amily Na	ame or Surnar	me		
Residence: North Wales	WEN	WEN			LI		LI					
Residence: Fort Washington State PA Country US Citizenship US Residence: Fort Washington State PA Country US Citizenship US Residence: Fort Washington State PA Country US Citizenship US Residence: Fort Washington State PA Country US Citizenship US Residence: Fort Washington State PA Country US Citizenship US Residence: City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Residence: Fort Washington State PA Country US Citizenship US City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname The post of the sunsigned inventor in the sunsigned in		M .						Date	12/10	1200/		
Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Residence: Fort Washington State PA Country US Citizenship US Post Office Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. The process of the proc	C!4	State	PA	Co	untry	us						
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor.	Post Office Merck & Co. Inc. P.O. Box 2000											
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) MICHAEL L. Inventor's Signature Residence: City Post Office Address City Rahway State One of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor. A petition has been filed for this unsigned inventor. City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname A petition has been filed for this unsigned inventor. Family Name or Surname	City			State	State NJ		ZIP	07065-090	7			
Given Name (first and middle [if any]) MICHAEL L. Inventor's Signature Residence: City Post Office Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Date Date Date Date Date Family Name or Surname Date					A petiti	on has be	en filed fo	or this unsigned	l inventor			
Inventor's Signature Residence: City Post Office Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Inventor's Date Country US Citizenship US Citizenship US City A petition has been filed for this unsigned invent Family Name or Surname	Give	any])							me			
City Fort Washington State PA Country US Citizenship US Post Office Merck & Co., Inc., P.O. Box 2000 City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any:			.L.,									
Address City Rahway State NJ ZIP 07065-0907 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned invent Given Name (first and middle [if any]) Family Name or Surname Inventor's Date		Fort Washington	State	PA	Country US			•	Citizenship	US		
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) A petition has been filed for this unsigned invent Family Name or Surname Inventor's	· Ei	Merck & Co., Inc., P.O.	Box 200	0								
A petition has been filed for this unsigned inventor. Given Name (first and middle [if any]) Family Name or Surname Inventor's	City	Rahway			State	NJ		ZIP	07065-0907			
Inventor's Date						A petiti	on has be	en filed fo	or this unsigned	linventor		
	Give	n Name (first and middle [if	any])		-		Fa	me or Surnar	ne			
	L	1						1				
	Inventor's Signature						Da					
Residence: Country Citizenship	City	State Country							Citizenship			
Post Office Merck & Co., Inc., P.O. Box 2000		Merck & Co., Inc., P.O. I	Box 200	0								
City Rahway State NJ ZIP 07065-0907	City	Rahway		_	State	NJ	1	ZIP	07065-090	7		

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby clair designating the is not disclos 35 U.S.C. 11 37 CFR 1.56 date of this a	he Unito ed in th 2, I ack which	ed States of e prior Unite nowledge th became ava	America, listed States or e duty to dis	sted belo PCT inte close inf	w and, in rnational formation	sofar appli knov	as the ication wn to m	subje in the	ect matter ne manne: be mater	r of each or r provided ial to pate	of the d by the entabil	claims o e first p ity as de	f this applic aragraph of fined in	cation
	J.S. Pare	nt Application (Parent Filing Date (MM/DD/YYYY)					Parent Patent Number (if applicable)		
PCT/US00/0958					0	4/10/2000								
60/129,274	04/14/1999						-							
Additiona	1 U.S. o	r PCT internat	tional applicat	ion numb	ers are liste	ed on a	a supple	ment	al priority	data sheet	PTO/S	B/02B att	ached hereto	
As a named in following regis	tered pra													tion, the
connected then	ewith:		Customer Nu OR Registered pr	L	(s) name/re	egistra	ition nu	 mber	listed belo			e Custom Code Lal	er Number oel here	
	Nam	e			tration mber				Na	ame				tration mber
Joseph A. Coppe	ola		38	413		J	lack L.	Trib	ble				32,633	
Direct all corr	respond	ence to: X	Customer	Number	or Bar Co	ode L	abel		0002	210				
Name .	Joseph .	A. Coppola									,			
Address	Merck &	& Co., Inc	Patent Depa	rtment										
Address	P.O. Bo	x 2000, RY	760-30											
City	Rahway	, 				Sta	ate	NJ	ZIP			07065-0907		
Country	USA			Tele	phone	(732)	732)594-6734 Fax					(732)594-4720		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.										and				
Name of Sole or First Inventor: A petition has been filed for this unsigned inventor														
Given Name (first and middle [if any]) Family Name or Surname														
Inventor's	ONSTANTIN PETRUKHIN													
Signature	Date													
Residence: City	Collegeville State PA						Country US			-1	Citiz	zenship	RU	
Post Office Address		Merck & Co	o., Inc., P.O	. Box 20	00									
City		Rahway					State		NJ	ZIP		0706	5-0907	
X Additional i	nventors	are being na	med on the _	1 supp	lemental A	Additio	onal Inve	entors	s(s) sheet(:	s) PTO/SB	/02A at	tached he	ereto.	



<i></i>													
Name of Additi		A petition has been filed for this unsigned inventor											
Giv	Given Name (first and middle [if any])						Family Name or Surname						
C. THOMAS						CASKEY							
Inventor's Signature								Date	12/6	101			
Residence: City	Lar	nsdale PA	State	PA	Coı	ntry	us		Citizenship	us			
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00	·								
City		Rahway			State	NJ		ZIP	07065-090	7			
Name of Additi	onal J	oint Inventor, if any:			A	A petition has been filed for this unsigned inventor							
Giv	en N	ame (first and middle [if	fany])				Fa	amily Na	ame or Surnar	ne			
WEN					LI								
Inventor's Signature								Date		· -			
Residence:	lence: North Wales State PA					ntry	US		Citizenship	us			
Post Office Address	ost Office Merck & Co. Inc. P.O. Box 2000												
City Rahway					State	tate NJ ZIP 07065-0907							
Name of Additi		A petition has been filed for this unsigned inventor											
Giv		Family Name or Surname											
MICHAEL L.		METZKER					· · · · · · · · · · · · · · · · · · ·						
Inventor's Signature								Date					
Residence: City	lence: Fort Washington State PA					Country US Citizenship US							
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00		1	- ,-		- 				
City			State	NJ		ZIP	07065-090	7					
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor													
Given Name (first and middle [if any]) Family Name or Surname							me						
Inventor's Signature													
Residence: City			State Country Citizenship										
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00									
City	Rahway State NJ ZIP 07065-0907						7						

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

designating the United St is not disclosed in the pri 35 U.S.C. 112, I acknowl 37 CFR 1.56 which becaudate of this application.	tates of America or United States ledge the duty to	a, listed below and, s or PCT internation of disclose information	insofar as the s nal application in on known to m	subject matter in the manner e to be materia	of each of the provided by al to patentab	e claims o the first pail tility as de	of this application aragraph of efined in	on
U.S. Parent Ap	plication or PCT Pa cation Number	arent		Filing Date DD/YYYY)	,		Patent Number applicable)	
. PCT/US00/09587			04/10/2000					
60/129,274			04/14/1999					
						-		
Additional U.S. or PCT	r international app	lication numbers are li	sted on a suppler	nental priority d	ata sheet PTO/	SB/02B att	ached hereto.	
As a named inventor, I herel following registered practition								the
connected therewith:	Customer OR Registere	Number d practitioner(s) name		nber listed belov	Bai	ice Custom r Code Lab	ner Number bel here	
Name		Registration		Nar			Registrat	
√ Joseph A. Coppola		Number 38,413	Jack L.	 Γribble			Numbe 32,633	<u>r</u>
4								
·							-	
Direct all correspondence	to: X Custor	ner Number or Bar	Code Label	0002	10			
Name Joseph A. Co		nor realiser or but	Code Luber	0002				+
	., Inc Patent D	Department						
Address P.O. Box 20	00, RY60-30							
City Rahway			State	NJ	ZIP	07065-0	0907	
Country USA		Telephone	(732)594-673	34	Fax	ax (732)594-4720		
I hereby declare that all some belief are believed to be to the like so made are punismay jeopardize the validities.	rue; and further shable by fine or	that these statement r imprisonment, or b	ts were made wooth, under 18	ith the knowle	edge that will	ful false s	statements and	<u>, </u>
Name of Sole or First Inver	itor:		A per	tition has been	filed for this	unsigned	inventor	
Given Name (first and middl	e [if any])		Fa	mily Name	or Surna	me	
KONSTANTIN	1 1		PETRU	KHIN				
Inventor's Signature	MI ON	١		I	Date (Decen	ber 6, 20	0
Residence: Collegevil	lle PA	State PA	Count	try US	Cit	izenship	RU	
Post Office	ck & Co., Inc.,	P.O. Box 2000						
City Rahv	way		State	NJ	ZIP	07065	5-0907	
Additional inventors are b	eing named on th	e 1 supplemental	Additional Inver	ntors(s) sheet(s)	PTO/SB/02A	attached he	reto.	



Name of Addition	A petition has been filed for this unsigned inventor											
Given Name (first and middle [if any])						Family Name or Surname						
C. THOMAS	CASKEY											
Inventor's Signature					Date							
Residence: City	Lan	sdale	PA	C	Country US C				i p US			
Post Office Address						· · · · · · · · · · · · · · · · · · ·						
City Rahway						State NJ ZIP 07065-0907						
Name of Additional Joint Inventor, if any:						A petition has been filed for this unsigned inventor						
Give	n Na	ame (first and middle [if	any])				F	amily Na	ame or Surr	name		
WEN					LI							
Inventor's Signature								Date	1			
Residence:	ence: North Wales State PA						us	•	Citizenshi	p US		
P st Office Address Merck & Co., Inc., P.O. Box 2000												
City	City Rahway State							te NJ ZIP		907		
Name of Addition		A petit	ion has be	een filed fo	or this unsign	ned inventor						
Given Name (first and middle [if any])						Family Name or Surname						
MICHAEL L.		1 A /	1//	1	METZKER							
Inventor's Signature		Dillud		Oby.				Date	12/1	0/2001		
Residence: City	Fort	Washington R	State	I(A)	C	ountry US Citizenship US				p US		
Post Office Address		Merck & Co., Inc., P.O. 1	Box 200	0								
City Rahway State NJ ZIP 07065-0907							907					
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor												
Given Name (first and middle [if any]) Family Name or Surname								ame				
Inventor's Signature												
Residence: City			State		C	ountry			Citizenshi	р		
Post Office Address		Merck & Co., Inc., P.O. I	3ox 200	0						_		
City		Rahway			State	NJ		ZIP	07065-09	007		



Name of Additional Joint Inventor, if any:						A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])						Family Name or Surname						
C. THOMAS							CASKEY					
Inventor's Signature						Da						
Residence: City	Lan	sdale	State	PA	Cou	Country US			Citizenship US			
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00	,		***					
City		Rahway			State	tate NJ ZIP 07065-0907				7		
Name of Addition	ıal J	oint Inventor, if any:			A	petiti	on has be	een filed f	or this unsigned	l inventor		
Give	n Na	me (first and middle [if	any])				F	amily Na	ame or Surnar	me		
WEN					LI							
Inventor's Signature								Date				
Residence: City	Nor	th Wales	State	Cou	ıntry	US		Citizenship	US			
Post Office Address Merck & Co., Inc., P.O. Box 2000												
City Rahway					State	State NJ		ZIP	07065-090	7		
Name of Additional Joint Inventor, if any:						petiti	on has be	en filed fo	or this unsigned	linventor		
Given Name (first and middle [if any])					Family Name or Surname							
MICHAEL L.					METZKER							
Inventor's Signature						Date						
Residence: City	sidence: Fort Washington State PA			Cot	Country US				US			
Post Office Address		Merck & Co., Inc., P.O.	Box 200	0								
City Rahway					State	State NJ ZII		ZIP	07065-090	07065-0907		
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned						l inventor						
Give	any])				F	amily Na	ime or Surnar	ne				
Inventor's Signature Date												
Residence: City			State	ate Country Citizenship								
Post Office Address		Merck & Co., Inc., P.O.	Box 200	0								
City		Rahway			State	State NJ		ZIP	07065-090	7		